UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/737,300	12/16/2003	Michael Muller	LOT920030036US1	7679

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ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

	Application No.	Applicant(s)
Office Action Summary	10/737,300	MULLER ET AL.
	Examiner	**Art Unit**
	Thuy Osberg	2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>15 June 2007</u>.

2a)☒ This action is **FINAL.**   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-10,12-15 and 21-28</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-10,12-15 and 21-28</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1.   This communication is responsive to amendment filed 06/15/2007 to the original

application filed 12/16/2003. **This action is Final.**

A.   Claims 1-10, 12-15 and 21-28 are pending in the application.

B.   Claims 1-7, 9-10, 12, 15 and 21-27 were amended.

C.   Claims 11 and 16-20 were canceled.

Claim Rejections - 35 USC § 102

2.   **The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102**

that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

3.   **Claims 1-10, 12-15 and 21-28 are rejected under 35 U.S.C. 102(e) as being**

anticipated by Chu et al. (US Pub 2004/0239683), hereinafter "Chu".

For the convenience of the Applicant, the Examiner has pointed out particular
references contained in the prior arts of record in the body of this action.
Although the specified citations are representation of the teachings in the art and
are applied to the specific limitations within the individual claim, other passages
and figures may apply as well. The Applicant should consider the entire
reference(s) as applicable as to the limitations of the claims.

As to claims 1, 9 and 21 (Currently Amended), Chu teaches a method for

providing a compact interface for display of an object hierarchy having a plurality of

levels (Abstract, fig. 9A-9C; par [0059], comprising:

displaying a first level root node of the object hierarchy (fig.4, labels 31-33; par [0040])

in a first window (fig.4);

upon selection of the first level root node in the first window (par [0050], lines 21-26),

displaying a pop-up window that includes a listing of all second level child nodes of the

first level root node (fig. 8C, label 98: "UTILITIES", " DATABASE"; par [0050], lines

13-21) immediately adjacent and to a right side of the first level root node in the first

window (fig. 7A, label 95; par [0049]; fig. 8A, labels 80, 97; par [0051], lines 4-7, that it

will be recognized by those skill in the art that the shape and the location of the popup

window may be varied according to the design choice of designers and computer

programmer using such a popup widow to be displayed any where within the window);

and selecting one of the second level child nodes from the listing of all second level child

nodes included in the pop-up window (fig. 8A, label 97; par [0050], lines 13-26);

wherein, upon selection of one of the second level child nodes (par [0050], lines 21-26),

the pop-up window that includes the listing of all second level child nodes of the first

level root node disappears from the first window (par [0008]; par [0054]; par [0049], that

when the dialog boxes could be made to appear by clicking on the nodes or to be hide

(disappeared), if the user not clicking on the nodes), and is replaced by the selected

second level child node, which is displayed immediately adjacent and to the right side of

the first level root node in the first window (fig. 7A, label 95; par [0049]; fig. 8A, labels

80, 97 "UTILITIES" "DATABASE"; par [0051], lines 4-7, that it will be recognized by those skill in the art that the shape and the location of the popup window may be varied according to the design choice of designers and computer programmer using such a popup widow to be displayed any where within the window), wherein the first level root node and the selected second level child node are displayed in a linear horizontal arrangement in the first window (fig. 8A, label 97, "PRODUCT W", "UTILITIES" are displayed liner horizontal arrangement), and wherein a depth of a navigation path through the object hierarchy increases from left to right in the first window (par [0006]; fig. 4, label 300; par [0040]-[0041]; fig. 9C; par [0056]).

The difference from claim 21 to claim 1 is Chu further teaches a program product stored on a recordable medium (par [0029]) for providing a compact interface for display of an object hierarchy having a plurality of levels, which when executed (fig. 2; par [0038]).

As to claims 2, 10 and 22 (Currently Amended), Chu further teaches:

upon selection of the displayed second level child node in the first window (par [0051]), displaying a pop-up window that includes a listing of all third level child nodes of the displayed second level child node immediately adjacent and to a right side of the displayed second child node in the first window (fig 8A; label 97, "DATABASE 53"; par [0051], that it will be recognized by those skill in the art that the shape and the location of the popup window may be varied according to the design choice of designers and computer programmer using such a popup widow to be displayed any where within the

window); and

selecting one of the third level child nodes from the listing of all third level child nodes

included in the pop-up window (fig. 8C, label 98; par [0052]);

wherein, upon selection of one of the third level child nodes (par [0051], the pop-up

window that includes the listing of all third level child nodes of the displayed second

level child node disappears from the first window (par [0008]; par [0054 par [0049], that

when the dialog boxes could be made to appear by clicking on the nodes or to be hide

(disappeared), if the user not clicking on the nodes), and is replaced by the selected third

level child node, which is displayed immediately adjacent and to the right side of the

displayed second child node in the first window (fig. 7A, label 95; par [0049]; fig. 8A,

labels 80, 97 "C1.JAVA, C2.JAVA, C3.JAVA"; par [0051], lines 4-7, that it will be

recognized by those skill in the art that the shape and the location of the popup window

may be varied according to the design choice of designers and computer programmer

using such a popup widow to be displayed any where within the window), wherein the

first level root node, the second child node, and the selected third level child node are

displayed in a linear horizontal arrangement in the first window (fig. 8A, labels 97,

"PRODUCT W, UTILITIES, C1.JAVA, C2.JAVA, C3.JAVA").

As to claims 3 and 23 (Currently Amended), Chu further teaches:

selectively repeating the above-described steps for at least one subsequent level in the

object hierarchy (fig. 8A, labels 97, 53, 64-67), wherein each selected node is displayed

immediately adjacent and to a right side of a selected node from a previous level of the

object hierarchy in the first window (fig 8A; label 97, "DATABASE 53"; par [0051], that

it will be recognized by those skill in the art that the shape and the location of the popup

window may be varied according to the design choice of designers and computer

programmer using such a popup widow to be displayed any where within the window)

and wherein each selected node from a previous level in the object hierarchy (fig. 8A,

labels 97, " DATABASE") and each selected node from a subsequent level in the object

hierarchy (fig. 8A, labels 97, "D1.JAVA, D2.JAVA, D3.JAVA") are displayed in a linear

horizontal arrangement in the first window (fig. 8A, labels 97, " DATABASE, D1.JAVA,

D2.JAVA, D3.JAVA").

As to claims 4, 12 and 24 (Currently Amended), Chu further teaches the first

level root node and any selected nodes are displayed in a linear horizontal arrangement in

the first window, wherein only a single node is displayed for each level of the object

hierarchy (fig. 8C, labels 98, "PRODUCT, UTILITIES, C1.JAVA); par [0052]; par

[0050], lines 13-26, that other nodes can be hidden in the dialog box using Hide

contained Nodes operation [0049]).

As to claims 5, 13 and 25 (Currently Amended), Chu further teaches upon

selection of one of the displayed nodes in the first window:

displaying a pop-up window over the selected displayed node in the first window that

includes a listing of all sibling nodes of the selected displayed node (fig. 7A, label 95; par

[0049]; fig. 8A, labels 80, 97 "C1.JAVA, C2.JAVA, C3.JAVA", that it will be

recognized by those skill in the art that the shape and the location of the popup window

may be varied according to the design choice of designers and computer programmer

using such a popup widow to be displayed any where within the window), and displaying

a pop-up window in the first window that includes a listing of all child nodes of the

selected displayed node adjacent and to the right of the selected displayed node (fig. 7A,

label 95; par [0049]; fig. 8A, labels 80, 97 "C1.JAVA, C2.JAVA, C3.JAVA"; par [0051],

lines 4-7, that it will be recognized by those skill in the art that the shape and the location

of the popup window may be varied according to the design choice of designers and

computer programmer using such a popup widow to be displayed any where within the

window).

As to claims 6, 14 and 26 (Currently Amended), Chu further teaches upon

selection of one of the displayed nodes in the first window:

displaying a pop-up window adjacent and to the left of the selected displayed node in the

first window that includes a listing of at least one level of ancestor nodes of the selected

displayed node (fig. 7A, label 95; par [0049]; fig. 8A, labels 80, 97 "UTILITIES,

C1.JAVA, C2.JAVA, C3.JAVA", that it will be recognized by those skill in the art that

the shape and the location of the popup window may be varied according to the design

choice of designers and computer programmer using such a popup widow to be displayed

any where within the window), displaying a pop-up window over the selected displayed

node in the first window that includes a listing of all sibling nodes of the selected

displayed node (fig. 7A, label 95; par [0049]; fig. 8A, labels 80, 97 "C1.JAVA,

C2.JAVA, C3.JAVA", that it will be recognized by those skill in the art that the shape

and the location of the popup window may be varied according to the design choice of

designers and computer programmer using such a popup widow to be displayed any

where within the window), and displaying a pop-up window adjacent and to the right of

the selected displayed node in the first window that includes a listing of all child nodes of

the selected displayed node (fig. 7A, label 95; par [0049]; fig. 8A, labels 80, 97

"C1.JAVA, C2.JAVA, C3.JAVA"; par [0051], lines 4-7, that it will be recognized by

those skill in the art that the shape and the location of the popup window may be varied

according to the design choice of designers and computer programmer using such a

popup widow to be displayed any where within the window).

As to claims 7, 15 and 27 (Currently Amended), Chu further teaches upon

selection of one of the displayed nodes in the first window:

displaying a pop-up window to the left of the selected displayed node in the first window

that includes a listing of each level of ancestor nodes of the selected displayed node (fig.

7A, label 95; par [0049]; fig. 8A, labels 80, 97 "UTILITIES, C1.JAVA, C2.JAVA,

C3.JAVA", that it will be recognized by those skill in the art that the shape and the

location of the popup window may be varied according to the design choice of designers

and computer programmer using such a popup widow to be displayed any where within

the window), displaying a pop-up window over the selected displayed node in the first

window that includes a listing of all sibling nodes of the selected displayed node (fig. 7A,

label 95; par [0049]; fig. 8A, labels 80, 97 "C1.JAVA, C2.JAVA, C3.JAVA", that it will

be recognized by those skill in the art that the shape and the location of the popup

window may be varied according to the design choice of designers and computer

programmer using such a popup widow to be displayed any where within the window),

and displaying a pop-up window to the right of the selected displayed node in the first

window that includes a listing of each level of descendant nodes of the selected displayed

node (fig. 7A, label 95; par [0049]; fig. 8A, labels 80, 97 "C1.JAVA, C2.JAVA,

C3.JAVA, D1.JAVA, D2.JAVA, D3.JAVA "; par [0051], lines 4-7, that it will be

recognized by those skill in the art that the shape and the location of the popup window

may be varied according to the design choice of designers and computer programmer

using such a popup widow to be displayed any where within the window).

　　　　As to claims 8 and 28 (Currently Amended), Chu further teaches the method of

claim 1, further comprising:

associating at least one of the displayed nodes with a functionality (fig. 7, label 95;

[0049], that "Hide" operation (functionality);

and upon selection of one of the displayed nodes, executing the functionality associated

with the selected node (fig. 8C, label 51, 62; fig. 8D, label 309; par [0052]).

Response to Arguments

　　　　Applicant's arguments with respect to claim 1-10, 12-15 and 21-28 have been

considered but are moot in view of the new ground(s) of rejection.

Conclusion

4.　　　Applicant's amendment necessitated the new ground(s) of rejection presented in

this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37

CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the

advisory action. In no event, however, will the statutory period for reply expire later than

SIX MONTHS from the date of this final action.

5.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Thuy Osberg whose telephone number is 571-270-1258.

The examiner can normally be reached on Monday-Friday (8:30AM-5:00PM).If attempts

to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun

Lo can be reached on 571-272-4847. The fax phone number for the organization where

this application or proceeding is assigned is 571-273-8300. Information regarding the

status of an application may be obtained from the Patent Application Information

Retrieval (PAIR) system. Status information for published applications may be

obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the

PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the

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or access to the automated information system, call 800-786-9199 (IN USA OR

CANADA) or 571-272-1000.

TTO

WEILUN LO
SUPERVISORY PATENT EXAMINER